

WHAT IS CLAIMED IS:

(1) A steering apparatus comprising a rack shaft connected to a traveling wheel steering apparatus and formed with rack teeth on its outer face, and a pinion connected to  
5 a steering wheel and meshing with said rack teeth, is characterized in that,

said rack shaft is formed with a rolling face narrower than a face width of said rack teeth on a side opposite to said rack teeth with an axis line of said rack shaft being  
10 interposed therebetween, and with a pair of faces on both sides with said rolling face being interposed therebetween, and

characterized by further comprising a single rolling body rolling on said rolling face of said rack shaft and a  
15 support member pressing said rolling body toward said rack shaft.

(2) A steering apparatus according to claim 1, wherein said support member includes an auxiliary support member  
20 abutting on a position, other than said rolling face, of said rack shaft.

(3) A method of manufacturing a rack shaft for a steering apparatus, comprising:  
25 a step of forming two grooves extending along an outer face with a phase other than 180 degrees by effecting a forging work upon a material;

a step of forming rack teeth on an outer face having a wider interval between said two grooves in a peripheral direction of said rack shaft; and

5 a step of forming a rolling face, on which a rolling body rolls, on an outer face having a narrower interval between said two grooves in the peripheral direction of said rack shaft.

(4) A method of manufacturing a rack shaft according  
10 to claim 3, wherein said rolling face is worked into a flat face.

(5) A method of manufacturing a rack shaft according  
to claim 3, wherein said rolling face is worked into a  
15 curved face.